

251241080385300 UPSTREAM TAYLOR RIVER NEAR HOMESTEAD, FL

LOCATION.--Lat 25°12'41", long 80°38'53", T.60 S., R.37 E., Miami-Dade County, Madeira Bay Quadrangle, Hydrologic Unit 03090202, located upstream on the left bank, approximately 12 mi northwest of Key Largo.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1999 to current year.

GAGE.--Satellite data collection platform with water-stage shaft encoder and acoustic Doppler velocity meter. Datum of gage North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Records good. Daily values are not published for this site. Discharge and gage height 15 minute data are available in the files of the U.S. Geological Survey. Data can also be accessed online at <http://sofia.usgs.gov/>.

EXTREMES FOR PERIOD OF RECORD.--

DISCHARGE: Maximum positive discharge, 40.4 ft³/s Oct 20, 1999; maximum negative, 35 ft³/s Aug. 4, 2004.

GAGE HEIGHT: Maximum gage height, 1.68 ft Oct. 15, 1999; minimum, -1.36 ft Jan. 23, 2001 and Jan. 18, 2005.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 39.3 ft³/s July 21; maximum negative, 27.6 ft³/s Mar. 28.

GAGE HEIGHT: Maximum gage height, 1.01 ft Sept. 20; minimum, -1.36 ft Jan. 18.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY (TOP AND BOTTOM): August 1999 to current year.

WATER TEMPERATURE (TOP AND BOTTOM): August 1999 to current year.

INSTRUMENTATION.--Water-quality monitor with top and bottom sensors.

REMARKS.--Salinity (TOP) record rated excellent. Salinity (BOTTOM) record rated excellent except for the following period: Mar. 9 to May 20, rated poor. Temperature (TOP) record rated excellent except for the following periods: July 18 to Sept. 7, rated good; May 5 to July 17, rated fair. Temperature (BOTTOM) record rated excellent except for the following periods: Oct. 1 to Nov. 23, Jan. 22 to May 4, rated good; May 5 to Sept. 7, rated fair. During periods of missing record, values may be higher or lower than the listed extremes. Daily values are not published for this site. Salinity and temperature sensor is located at -1.22 ft NAVD 88 (TOP) and -2.42 ft NAVD 88 (BOTTOM). Salinity and temperature 15 minute data are available in files of the U.S. Geological Survey. Data can also be accessed online at <http://sofia.usgs.gov/>.

EXTREMES FOR PERIOD OF RECORD.--

SALINITY (TOP): Maximum recorded, 49.9 ppt May 31, June 1, 2005; minimum recorded, 0.17 ppt Oct. 20, 21, 1999.

SALINITY (BOTTOM): Maximum recorded, 51.0 ppt June 1, 2005; minimum recorded, 0.2 ppt Oct. 20, 21, 1999; Oct. 6-12, 15-23, 2003; Nov. 4-24, 2003, and Dec. 1-12, 2003.

WATER TEMPERATURE (TOP): Maximum recorded, 34.6°C Aug. 11, 2004; minimum recorded, 10.9°C Jan. 19, 2003.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 34.4°C July 7, 2004; minimum recorded, 11.0°C Jan. 25, 2003.

EXTREMES FOR CURRENT YEAR.--

SALINITY (TOP): Maximum recorded, 49.9 ppt May 31, June 1; minimum recorded, 0.5 ppt Sept. 23-27.

SALINITY (BOTTOM): Maximum recorded, 51.0 ppt June 1; minimum recorded, 0.5 ppt Sept. 23-26.

WATER TEMPERATURE (TOP): Maximum recorded, 33.9°C July 22; minimum recorded, 13.9°C Jan. 18.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.7°C July 4, 22, 23; minimum recorded, 14.5°C Jan 18.